

Index

Index for Volume 17

Author Index

Afridi, M. U. K. 113
Aggarwal, L. K. 107
Ahmad, S. H. 147
Atzeni, C. 3

Bentur, A. 87
Biswas, M. 9
Bolander Jr, J. 135

Cabiddu, M. G. 3
Coutts, R. S. P. 99

Demura, K. 113
Desayi, P. 207

El Debs, M. K. 329
Elser, M. 57
Erell, E. 289

Freidin, K. 289

Gettu, R. 239
Ghavami, K. 281
Gopalaratnam, V. S. 239
Guang Jing Xiong 47
Gupta, A. P. 9

Habighorst, C. 187
Harajli, M. H. 161
Hemmings, R. T. 23
Hikosaka, H. 135
Huang Chenkui 199

Islam, S. 177

Katz, A. 87
Kaushik, S. K. 177
Khatib, H. 161
Kocataskin, F. 319

Lange, H. 187
Lee, S. L. 37
Li, V. C. 219

Maalouf, D. 161
Malhotra, V. M. 23, 125
Marusin, S. L. 311
Massidda, L. 3

Naaman, A. E. 329
Nandakumar, N. 207
Neubauer, A. 187
Ni, Y. 99

Obla, K. H. 219
Ohama, Y. 113
Ong, B. G. 37
Ong, K. C. G. 37

Paramasivam, P. 37

Ramezaniapour, A. A. 125
Ray, I. 9
Rebeiz, K. S. 119

Sanna, U. 3
Simatupang, M. H. 187
Sing, G. 47
Stanzl-Tschegg, S. E. 57

Theodorakopoulos, D. D. 229, 267
Topcu, İ. B. 319
Torrenti, J. M. 261
Tschegg, E. K. 57

Walker, P. J. 301

Xie, Y. 147

Yu, ZT. 147

Zafar Iqbal, M. 113
Zhao Guofan 199

Keyword Index

Absorption 267
Accelerated cycle tests 107
Acrylic latex 3
Adhesion 113
Aggregate phase 379
Aggregates 379
Airing 289
Anisotropy 261
Aqueous polymer-modified mortars 113
Aqueous cement modifiers 113

Bagasse reinforced cement 107
Bamboo fibre 99
Bamboo pulp 99
Bamboo fibre reinforced cement 99
Bamboo reinforcement 281
Bamboo treatment 281
Beams (supports) 147, 207
Beams 281
Bending strength 107, 187 281
Bending 207
Biaxial tests 57
Biaxial loading 261
Blended cements 23
Bond strength 107, 219
Bond stresses 281
Bricks 289
Building materials 99, 289

Carbon fibers 219
Casting process 267
Casting face 267

Casting pressure 107
Cement 9
Chemical requirements 23
Chloride penetration 125
Chloride concentrations 177
Clay content 301
Coarse aggregate 199
Columns 161
Combined effect 9
Composite materials 187, 379
Composite 219
Composite materials 107
Compressive strength 9, 199, 125, 177, 289, 301
Concrete fracture 135
Concrete durability 125
Concrete 57
Concrete deterioration 311
Concretes 379
Connections 161
Cracked section analysis 47
Cracking (fracturing) 207
Cracking stresses 57
Cracking 281
Creep recovery 267
Critical fiber length 219
Crystallization of salts 3
Curing regime 229
Curing 125
Cyclic loading 37

Deflection 281
Deflection characteristics 267
Deformation 9
Delayed ettringite formations 311
Demoulding time 107
Density 107, 187, 289
Design 207, 281
Deterioration 37
Diagonal tension 207
Diameter 219
Dry density 301
Drying shrinkage 267
Ductility 161, 239
Durability 3, 23, 37, 107, 177, 289, 301

Embedment length 219
Energy absorption capacity 239

Fabrication method 229
False diagnosis 311
Fatigue endurance 199
Ferrocement 47, 207
Fiber reinforced concrete 161, 239
Fiber 219
Fibre reinforcement 267
Fibre concrete 261
Fibre cement composites 229
First-crack strength 239
Flat slabs 161

- Flexural strength 99, 199, 239
Flexural fatigue 47
Flexural rigidity 37
Flexural creep 267
Flexural toughness 199
Fly ash 23, 125, 289
Fracture energy 239
Fracture surface 219
Fracture toughness 99, 239
Fracture energy 57, 135
Fracture behaviour 57
Fractured surfaces 311
Fresh concrete properties 23
- Glass reinforced cement 229
Grading 199
- High strength concrete 147
High volume fly ash concrete 23
- Latex 9
Length variation 219
Lightweight concrete 147, 281
Long term behaviour 267
- Manufacture 187
Material behaviour 261
Matrix phase 379
Matrix 219
Matrix concrete 199
Mechanical properties 23
Microstructure 289
Modulus of rupture 301
Moisture loss 229
Mortar 9
- Natural fibres 99, 107
Nonlocal modeling 135
Notched specimens 57
- Optimum 199
Ordinary portland cement 301
- Orientation 219
Other face 267
- Particle boards 107, 187
Permeability 125
Plain water 177
Plasters 3
Plasticity index 301
Polished surfaces 311
Polymer-modified mortars 113
Polymer-cement ratio 113
Pore size distribution 125
Pore volume 125
Porosity 125
Powdered cement modifiers 113
Powdered polymer-modified mortars 113
Probabilistic design 47
Production time 187
Protruding 219
Punching shear 161
- Rebar corrosion 177
Regression analysis 47
Reinforced concrete 147, 161
Reinforced concrete slab 37
Reliability 47
Repair 37
Residual strength 239
Runouts 47
- Sample preparation 311
Scanning electron microscopy 311
Sea water marine environment 177
Setting time 187
Shear ductility 147
Shear span-depth ratio 147
Shear strength 147, 207
Shrinkage 23, 301
Shrinkage properties 229
Silica fume 125
- Size effect 135, 229
Slabs 161
Slag 125, 289
Slag and silica fume 23
Slump 379
Spalled cover 37
Stabilised soil blocks 301
Steel fibre reinforced concrete 199
Steel stress 47
Storage conditions 57
Strains 57
Strength characteristics 267
Strength 261
Stress distributions 47
Structural behaviour 281
Superplasticiser 9
Surface impregnation 289
Sustained load 267
- Tensile strength 107, 199, 219
Testing 239
Tests 207
Thin sections 311
Toughness index 239
- Ultimate load 281
Ultrasonic pulse time 9
Unpolished surfaces 311
- Water repellent polymers 3
Water absorption 9, 107, 229, 289
Water-cement ratio 379
Water-glass 289
Web reinforcement 147
Water retention 113
Wood fibre-cement composites 187
Workability 379
Woven wire fabric 207
- X-ray diffraction 289

